

Practice

For use with pages 16–21

Evaluate the expression.

1. $6.1(4) + 2(1.5)$

2. $58.4 - 4(9.2)$

3. $\frac{2.6 + 3.9}{7.8 - 7.3}$

4. $\frac{42 - 17}{0.2(25)}$

5. $7(16 - 2^3)$

6. $9(3 + 5^3)$

7. $2.5[10 + (20 - 2^2)]$

8. $3.1[100 - (5^2 \cdot 3)]$

9. $90 \div [(82 - 77) \cdot 9]$

10. Find the sum of 2 cubed and 3 squared.**11.** Find the difference of 10 squared and 9 squared.**Evaluate the expression when $a = 16$, $b = 8$, and $c = 7$.**

12. $8c \div 4$

13. $(c + 5) \div 6$

14. $3a + 2.1(4)$

15. $\frac{2a}{15 - c}$

16. $7.2b - bc$

17. $b(a - 9.1)$

18. $ac[(99 - b^2) \cdot 2]$

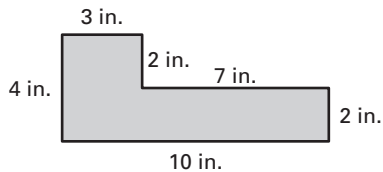
19. $c^3[4.1(3c - 19)]$

20. $\frac{b^3(9 - 5.9)}{3.2(20.4 - 12.4)}$

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- 21.** The formula to find the area A of a rectangle is $A = \ell w$, where ℓ is the length of the rectangle and w is the width of the rectangle. The figure below can be divided into two rectangles. Find the total area of the figure.



- 22.** You complete a project for your social studies class. There are 3 parts to the project, worth a total of 100 points. You get 50 out of 50 points on part A, and 23 out of 25 points on part C. The total score you received is 93 out of 100. How many points did you get on part B?
- 23.** You use a long distance telephone service that charges \$.99 for the first minute of a long distance call and \$.10 for each additional minute. Write and evaluate an expression for the total cost of a 17-minute long distance phone call.